

DD / S REGISTRY

FILE

cc 4035

3 AUG 1964

MEMORANDUM FOR: Deputy Director for Support

SUBJECT : Research and Development Project  
Approval, [REDACTED]  
HL-20B, CS-C-8151.1

25X1A

Attached is a Research and Development Project  
for the development of a HL-20B [REDACTED]  
This work is a continuation of an FY-64 project under  
which an engineering model of the system was developed  
and evaluated. After you have approved the project  
described herein, please return it to me and I will  
forward supporting documents to the Office of Logistics  
for contractual action.

25X1A

[REDACTED]  
Director of Communications

25X1A9a

Attachment:  
Project Outline,  
HL-20B [REDACTED]

25X1A

Distribution:  
Original - D/CO w/att  
1 - BPAM w/att  
2 - DD/S w/att (Chrono, Subject)

~~SECRET~~



**SECRET**

OFFICE OF COMMUNICATIONS

RESEARCH & DEVELOPMENT  
PROJECT APPROVAL

PROJECT:

25X1A HL-20B [REDACTED] CS-C-8151.1

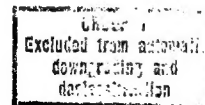
I. IDENTIFICATION:

25X1A The HL-20B [REDACTED] will be used to support the COMSEC testing program. The HL-20B will be a modified prototype version of the  
25X1A2g HL-20A developed under FI/D sponsorship for [REDACTED] operations. The project will be undertaken by the Special Programs Staff of the Office of Communications. The cost of this project is included in the Office of Communications financial plan for FY-66 in the amount of \$110,000.

II. OBJECTIVES:

25X1A The objective of this project is to obtain one [REDACTED] system, of current design,  
25X1A which will provide the necessary data for determining [REDACTED] vulnerabilities in accordance with COMSEC requirements. Antenna variations will be made to improve the utility and ease of operation. Development of the HL-20A has been completed. The one engineering model procured  
25X1A2g is consigned to [REDACTED] use. The HL-20B will provide one basically similar system for COMSEC investigations. At the conclusion of the HL-20B project, it is expected that any further requirement for either the "A" or "B" versions of the system will be satisfied through normal fixed price procurement channels.

**SECRET**



**SECRET**

OFFICE OF COMMUNICATIONS

RESEARCH & DEVELOPMENT  
PROJECT APPROVAL

PROJECT:

25X1A

HL-20B [REDACTED] CS-C-8151.1

III. BACKGROUND:

25X1A

A solid state [REDACTED] designed and constructed with FY-64 funds has been delivered and tested. This engineering model, identified as the HL-20A, is basically suitable for obtaining a portion of the data needed for COMSEC requirements. Certain antenna changes will be made to improve performance for COMSEC testing. No changes will be required in the electrical specifications of the transmitter and receiver.

IV. TECHNICAL SPECIFICATIONS:

25X1A

25X1A



V. CONTRACTOR AND FINANCIAL ARRANGEMENTS:

25X1A5a1

[REDACTED] successfully developed the HL-20A and will be recommended for development of the modified prototype system. Funding for this project is estimated at the \$110,000 level. Contractual details will be worked out in conjunction with the Office of Logistics.

**SECRET**

OFFICE OF COMMUNICATIONS

RESEARCH & DEVELOPMENT  
PROJECT APPROVAL

PROJECT:

25X1A HL-20B [REDACTED] CS-C-8151.1

VI. COORDINATION:

Coordination has been accomplished on the HL-20A engineering model work with the NSA and the DDS&T/OEL.

VII. SECURITY:

Due to the sensitive application of this equipment, the work will be classified SECRET. Agency association will also be classified SECRET, and the title "HL-20B" will be unclassified.

ORIGINATOR:

25X1A9a

[REDACTED] **SIGNED** **13 AUG 1965**  
for Director of Communications Date

APPROVED:

Deputy Director for Support Date

SECRET